

\* SWBAT define and measure motion and speed

Sep 6-2:31 PM

# Welcome!!!

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Centering...

SECA Physics  
Wednesday 2 October 2013

New people?  
\*\* Announcements

\* Pick up:

- slip of paper (for later)
- Motion of a runner sheet



Video: Tracking Speed

## Opening Activity:

Where in your everyday life do you deal with speed and how it changes?

CARS SPORTS BUS  
— TRAIN WALKING BIKE RUN

Sep 7-7:04 AM

## Catchy Physics Phrases...

Speed is

Change in distance over  
change in time

$$SPEED = \frac{\Delta d}{\Delta t}$$

**Velocity** is

**speed** and **direction**

TMBG - speed and velocity

<http://www.youtube.com/watch?v=DRb5PSxJerM>

Oct 4-7:27 AM

0m	4m	8m	12m	16m	20m
CHANGE:	4m	4m			

Runner Measurements : TIME

	4m	8m	12m	16m	20m
Trial 1	1.38	2.2	2.90	3.75	4.22
Trial 2	1.20	2.2	2.84	3.50	4.28
Trial 3	1.43	2.3	3.09	3.87	4.61

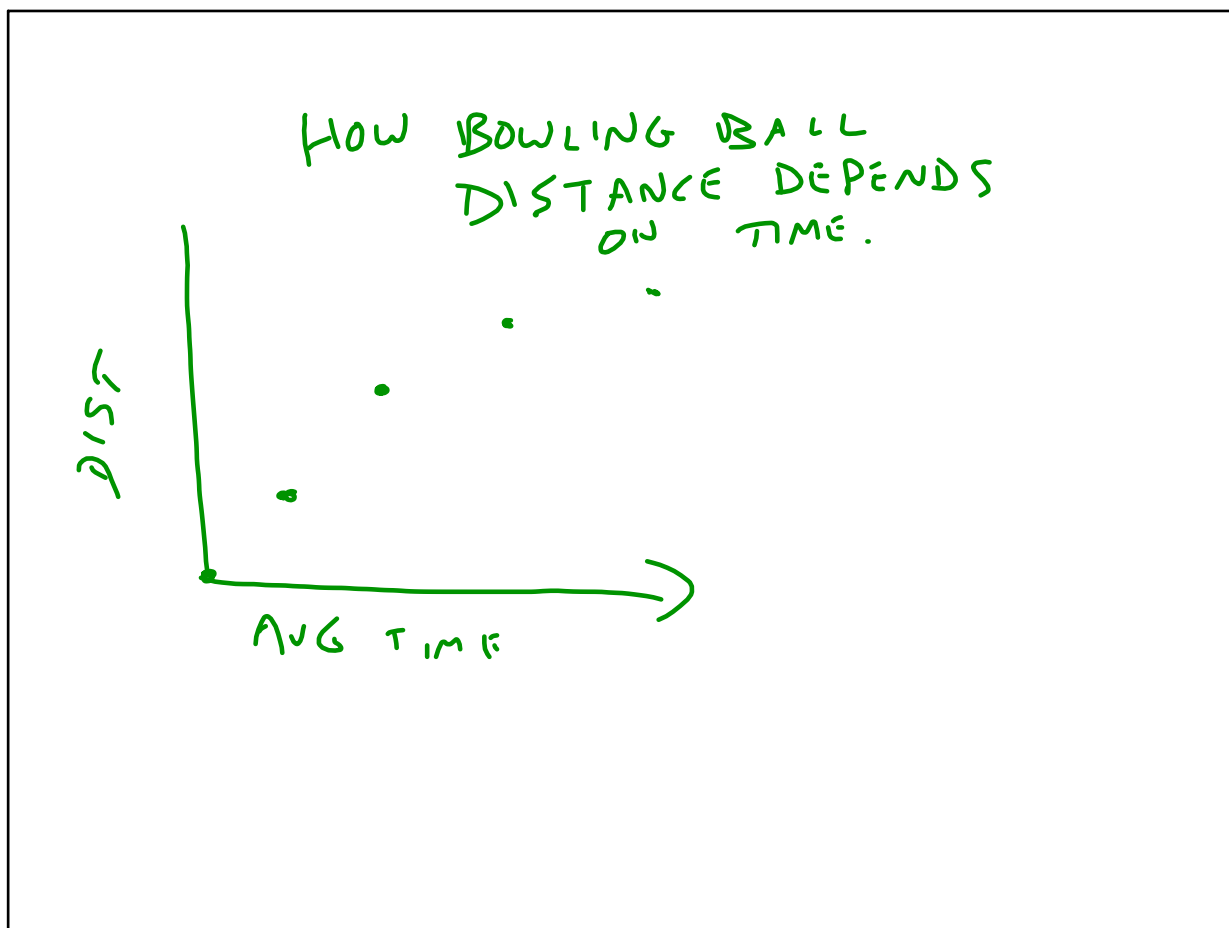
AVG.

CHANGE:

Now use what we've found to fill in the worksheet.

- Get someone to check over what you've got **before** you start graphing
- When you're done: see what other people noticed about the graphs

Oct 5-7:33 AM



Oct 2-11:19 AM

### Daily 3 Questions

- \* Every day except test/project days
- \* 3 Questions on the topics of the day
- \* Main source of daily points
- \* I am happy to give credit when I have no concerns about someone giving or getting help with the answers.

You can't get your points if you don't have your **NAME!!!**

Name	Period
1.	
2.	
3.	

Sep 9-7:32 AM

1. Speed is change in distance over change in \_\_\_\_\_.
  - A. Force
  - B. Position
  - C. Time
  
2. Velocity is speed and \_\_\_\_\_.
  
3. The bottom of your graph is what?
  - A. Change in Distance
  - B. Speed
  - C. Avg. Time

Sep 14-7:28 AM